



74021 SeqLStg_ST25
SEQUENCE LISTING

<110> Shi, Bingxing
Wu, Zuze
Yu, Aiping
Dong, Chunna

<120> FUSED PROTEIN WITH THE FUNCTION OF BOTH HEMOLYSIS AND
ANTICOAGULATION AND USE OF IT

<130> 0440/74021

<140> US 10/526,682

<141> 2003-09-03

<160> 7

<170> PatentIn version 3.5

<210> 1

<211> 47

<212> DNA

<213> artificial sequence

<220>

<223> synthesized primer

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cgggatccat cgaaggctcg attacttaca ctgattgtac agaatcg

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<213> artificial sequence

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<223> SAK gene product and Hirudin gene product (from Hirudo
medicinalis) linked by synthetic linker peptide sequence GSIEGR

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Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser
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Tyr Phe Glu Pro Thr Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val
20 25 30

Asp Gly Lys Gly Asn Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro
35 40 45

Ile Lys Pro Gly Thr Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val
50 55 60

Glu Trp Ala Leu Asp Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu
65 70 75 80

Leu Asp Pro Ser Ala Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys
Page 1

Lys Lys Glu Glu Ser Phe Pro Ile Thr Glu Lys Gly Phe Val Val Pro
100 105 110

Asp Leu Ser Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile Thr Lys
115 120 125

Val Ile Ile Glu Lys Lys Gly Ser Ile Glu Gly Arg Ile Thr Tyr Thr
130 135 140

Asp Cys Thr Glu Ser Gly Gln Asp Leu Cys Leu Cys Glu Gly Ser Asn
145 150 155 160

Val Cys Gly Lys Gly Asn Lys Cys Ile Leu Gly Ser Asn Gly Glu Glu
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Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Lys Gln Gln Ser His Asn
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Asp Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu Gln
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Pro Arg Ile Glu Gly Arg
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Gly Ser Leu Gly Pro Arg
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